

AMENDMENTS

Amendments to Claims

This Listing of Claims will replace all previous versions, and listings, of claims in the application.

Listing of Claims:

1.-52. (canceled)

53. (previously presented) A facsimile transmitting/receiving system comprising a standard facsimile machine and a computer based system in communication with said standard facsimile machine, the system comprising;

an interface positioned intermediately of and in communication with both said facsimile machine and said computer based system;

a line for receiving and sending facsimile signals in communication with said interface for selectively communicating directly with said facsimile machine and said computer;

means for converting encoded documents to formats compatible with computer supported systems and with said facsimile machine;

wherein said means is further adopted for converting facsimile signals to a format for transmission over distributive communication networks and for converting network transmitted signals in a format for transmission over a facsimile transmission line; and

wherein said interface further comprises one or more switches for selectively controlling electronic communication between (1) said line and said computer based system and (2) said line and said facsimile machine.

54. (previously presented) The facsimile system of claim 53, wherein said interface further comprises a first switch operable between an open position and a closed position, wherein said first switch in said closed position allows direct communication between said line and said computer based system.

55. (previously presented) The facsimile system of claim 54, wherein said first switch in said open position prevents communication between said line and said computer based system.

56. (previously presented) The facsimile system of claim 54, wherein said interface further

comprises a second switch operable between an open position and a closed position, wherein said second switch in said closed position allows direct communication between said line and said facsimile machine.

57. (previously presented) The facsimile system of claim 56, wherein said second switch in said open position prevent communication between said line and said computer based system.

58. (previously presented) The facsimile system of claim 56, wherein said line is in direct communication with both (1) said computer based system and (2) said facsimile machine when said first switch and said second switch are simultaneously in their respective closed positions.

59. (previously presented) The facsimile system of claim 53, further comprising a ring generator for initiating said facsimile machine.

60. (previously presented) The facsimile system of claim 59, further comprising a parallel switch for selectively activating said ring generator.

61. (previously presented) A facsimile machine adapted to be connected to an internet protocol communication channel to transmit to the internet protocol communication channel a transmission signal formatted according to internet protocol, the transmission signal formatted according to internet protocol including transmitted data representing a document to be transmitted, the facsimile machine comprising:

a facsimile component, the facsimile component outputting a facsimile signal, the facsimile signal representing the document, the facsimile signal being formatted according to a facsimile protocol;

a digital processing interface in communication with the facsimile component for receiving the facsimile signal, the digital processing interface being adapted to convert the facsimile signal from facsimile format to a processor formatted data signal, the processor formatted data signal being formatted according to a protocol compatible with operation of a digital processor, the processor formatted data signal including processor formatted data representing the document;

a network interface, the network interface being adapted to receive the processor formatted data, the network interface being adapted to convert the processor formatted data to

the transmission signal formatted according to internet protocol, the network interface being adapted to transmit to the internet protocol communication channel the transmission signal formatted according to internet protocol.

62. (previously presented) A facsimile machine according to claim 61 and further comprising:

a processor and memory combination, the processor and memory combination being operable to perform at least one processing operation of at least one of the digital processing interface and the network interface.

63. (previously presented) A facsimile machine adapted to be connected to an internet protocol communication channel to receive from the internet protocol communication channel a received signal formatted in internet protocol format, the received signal formatted according to internet protocol format including received data representing a received document to be received from the internet protocol communication channel, the facsimile machine comprising:

a network interface, the network interface being adapted to receive from the internet protocol communication channel the received signal formatted in internet protocol, the network interface being adapted to convert the received signal formatted in internet protocol from internet protocol to a processor format, the processor format being a formatting protocol compatible with operation of a digital processor, the network interface thus being adapted to provide the received data in processor format;

a digital processing interface in communication with the network interface, the digital processing interface being adapted to receive the received data in processor format, the digital processing interface being adapted to convert the received data in processor format from the processor format to facsimile format, the digital processing interface thus being adapted to provide the received data formatted according to a facsimile protocol; and

a facsimile component in communication with the digital processing interface for receiving the received data formatted according to facsimile protocol, the facsimile component being adapted to output a received facsimile signal formatted according to a facsimile protocol, the received facsimile signal including the received data formatted

according to a facsimile protocol, the received data formatted according to a facsimile protocol thus representing the received document.

64. (previously presented) A facsimile machine according to claim 63 and further comprising:

a processor and memory combination, the processor and memory combination being operable to perform at least one processing operation of at least one of the digital processing interface and network interface.

65. (new) A facsimile communication interface to be connected to a computer and a facsimile transmission line, the computer being in communication with a distributive communication network, the facsimile transmission line being suitable to convey a facsimile transmission to a telephone communication system, the facsimile communication interface comprising:

an interface to be positioned intermediately of and in communication with the computer and the facsimile transmission line, said interface to be connected to the facsimile transmission line for receiving and sending facsimile signals over the facsimile transmission line, said interface including at least one switch for selectively controlling communication between the computer and the facsimile transmission line; and

executable software for the following:

converting encoded documents from facsimile format to a digital data format compatible with the computer;

converting encoded documents from a data format compatible with the computer to a facsimile format compatible with a facsimile machine;

converting facsimile signals to a network transmission format for transmission over a distributive communication network;

converting network transmitted signals to a facsimile transmission format for transmission over a facsimile transmission line.

66. (new) A facsimile communication interface according to claim 65 and further comprising:

said at least one switch including a first switch operable between an open position and a closed position, wherein said first switch in said closed position allows communication between the facsimile transmission line and the computer.

67. (new) A facsimile communication interface according to claim 66 and further comprising:

wherein said first switch in said open position prevents communication between the facsimile transmission line and the computer.

68. (new) A facsimile communication interface according to claim 66 and further comprising:

said at least one switch further including a second switch operable between an open position and a closed position, wherein said second switch in said closed position allows communication between the facsimile transmission line and a facsimile machine.

69. (new) A facsimile communication interface according to claim 68 and further comprising:

wherein said second switch in said open position prevents communication between the facsimile transmission line and the facsimile machine.

70. (new) A facsimile communication interface according to claim 68 and further comprising:

when said first switch is in the respective closed position and said second switch simultaneously is in the respective closed position, the facsimile transmission line is in communication with both the computer and the facsimile machine.

71. (new) A facsimile communication interface according to claim 65 and further comprising:

a ring generator for initiating receipt of a facsimile transmission transmitted on the facsimile transmission line to said interface.

72. (new) A facsimile communication interface according to claim 71 and further comprising:

a ring generator for initiating receipt of a facsimile transmission transmitted on the facsimile transmission line from said interface.

73. (new) A facsimile communication interface according to claim 71 and further comprising:

a switch for selectively activating the ring generator.